



Cumulative Contents

Information for Contributors

Regular Section

Regular Papers

- ¹³C-NMR spectroscopic studies of 2-mercaptopropanoic acid-stimulated glutathione synthesis in the intact ocular lens
J.A. Willis and T. Schleich (USA)
- Differential activation of G_i and G_s proteins by E- and I-type prostaglandins in membranes from the human erythroleukaemia cell line, HEL
I. Schwaner, S. Offermanns, K. Spicher, R. Seifert and G. Schultz (Germany)
- The allosteric enhancer, PD 81,723, stabilizes human A₁ adenosine receptor coupling to G proteins
S. Bhattacharya and J. Linden (USA)
- Multiple protein kinases are required for basal Kv1.5 K⁺ channel gene expression in GH₃ clonal pituitary cells
K. Takimoto, R. Gealy and E.S. Levitan (USA)

Rapid Report

- Intracellular degradation of apolipoprotein B generates an N-terminal 70 kDa fragment in the endoplasmic reticulum
S.M. Sallach and K. Adeli (Canada)

Subsection

Regular Papers

- Characteristics of the signal transduction system activated by ATP receptors in the hepatoma cell line N1S1-67
A. Peres and S. Giovannardi (Italy)
- Interleukin-4 suppresses the expression of macrophage NADPH oxidase heavy chain subunit (gp91-phox)
Y. Zhou, G. Lin and M.P. Murtaugh (USA)

vii	Temporal segregation in signalling: a novel mechanism in human neutrophils <i>M. Raif-Preminger, S.R. Caplan and I. Yuli (Israel)</i>	49
1	PAF and haematopoiesis: III. Presence and metabolism of platelet-activating factor in human bone marrow <i>Y. Denizot, F. Trimoreau, F. Dupuis, C. Verger and V. Praloran (France)</i>	55
8	Rapid protein tyrosine phosphorylation in the cytoskeleton of stimulated human platelets <i>A. Altmüller and P. Presek (Germany)</i>	61
15	Hydrogen peroxide activation of cytosolic phospholipase A ₂ in vascular smooth muscle cells <i>G.N. Rao, M.S. Runge and R.W. Alexander (USA)</i>	67
22	Insulin action on cardiac glucose transport: studies on the role of protein kinase C <i>M. Russ and J. Eckel (Germany)</i>	73
29	Differential release of histamine and prostaglandin D ₂ in rat peritoneal mast cells: roles of cytosolic calcium and protein tyrosine kinases <i>C.M.C.J. Van Haaster, W. Engels, P.J.M.R. Lemmens, G. Hornstra, G.J. Van der Vusse and J.W.M. Heemskerk (The Netherlands)</i>	79
33	Effect of extracellular Mg ²⁺ concentration on agonist-induced cytosolic free Ca ²⁺ transients <i>Z. Zhu, M. Tepel, C. Speker and W. Zidek (Germany)</i>	89

Rapid Report

- The bisindolylmaleimide GF 109203X, a selective inhibitor of protein kinase C, does not inhibit the potentiating effect of phorbol ester on ethanol-induced phospholipase C-mediated hydrolysis of phosphatidylethanolamine
Z. Kiss, H. Phillips and W.H. Anderson (USA)

Short Sequence-Paper

- A protein kinase from *Dictyostelium discoideum* with an unusual acidic repeat domain
B.W. Wetterauer, U. Hamker, A. Von Haeseler, H.K. MacWilliams, M.-N. Simon and M. Veron (Germany, France)

97

*Regular Section**Regular Papers*

Conversion of xanthine dehydrogenase to xanthine oxidase in bovine carotid artery endothelial cells induced by activated neutrophils: involvement of adhesion molecules

Y. Wakabayashi, H. Fujita, I. Morita, H. Kawaguchi and S.-i. Murota (Japan)

103

The thymus extract Thymex-L potentiates the retinoic acid-induced differentiation of the human myeloid leukemia cell line HL-60

K. Schulze-Forster, K. Eckert and H.R. Maurer (Germany)

110

Expression and fate of the nuclearly encoded subunits of cytochrome-c oxidase in cultured human cells depleted of mitochondrial gene products

L.G.J. Nijtmans, J.N. Spelbrink, M.J.M. Van Galen, M. Zwaan, P. Klement and C. Van den Bogert (The Netherlands)

117

Regulation of cellular pH in skeletal muscle fiber types, studied with sarcolemmal giant vesicles obtained from rat muscles

C. Juel (Denmark)

127

Purification of a major tyrosine kinase from RBL-2H3 cells phosphorylating Fc_εRI γ-cytoplasmic domain and identification as the Btk tyrosine kinase

D.J. Price, Y. Kawakami, T. Kawakami and B. Rivnay (USA)

133

Activation and deactivation of membrane currents in human fibroblasts following infection with human cytomegalovirus

A. Bakhramov, Y.S. Boriskin, J.C. Booth and T.B. Bolton (UK)

143

cultropin biological activities on cultured cells by almitrine

H. Moukadiri, L. Gouzi, S. Detolle-Sarbach, D. Guez and J. Plouët (France)

168

Mechanism of isoproterenol-induced heterologous desensitization of mucin secretion from rat submandibular glands. Regulation of phosphorylation of Gi proteins controls the cell response to the subsequent stimulation

Y. Ishikawa, I. Amano, T. Eguchi and H. Ishida (Japan)

173

Activation of human lymphomononuclear cells by peptides derived from extracellular matrix proteins

N. López-Moratalla, M. Del Mar Calonge, M.J. López-Zabalza, L.A. Pérez-Mediavilla, M.L. Subirá and E. Santiago (Spain)

181

Murine fibroblasts synthesize and secrete kininogen in response to cyclic-AMP, prostaglandin E₂ and tumor necrosis factor

M. Takano, K. Yokoyama, K. Yayama and H. Okamoto (Japan)

189

Okadaic acid potentiates heat-induced activation of erk2

H. Heider and H.R. Widmer (Switzerland)

196

The role of cyclic AMP in the lipopolysaccharide-induced suppression of thymidine kinase activity in macrophage

F. Okada, S. Nagao, Y. Harada, R.M. Xavier, M. Nakamura, T. Ishida and Y. Tanigawa (Japan)

201

Glucose promotes turnover of Na⁺ in pancreatic β-cells

S. Saha and E. Grapengiesser (Sweden)

209

Calcium inflow in cells transfected with cloned rat and porcine calcitonin receptors

D.M. Findlay, S. Houssami, P.M. Sexton, C.L. Brady, T.J. Martin and D.E. Myers (Australia)

213

*Subsection**Review*

An emerging family of dual specificity MAP kinase phosphatases

S.M. Keyse (UK)

152

Regular Papers

Isolation of the cell cycle control gene *cdc2* from *Paramecium tetraurelia*

L. Tang, S.L. Pelech and J.D. Berger (Canada)

161

Inhibition of basic fibroblast growth factor and vas-

Short Sequence-Papers

cDNA cloning of a thromboxane A₂ receptor from rat astrocytes

J.-i. Kitanaka, H. Hashimoto, Y. Sugimoto, M. Sawada, M. Negishi, A. Suzumura, T. Marunouchi, A. Ichikawa and A. Baba (Japan)

220

Molecular cloning of human p38 MAP kinase

J. Han, B. Richter, Z. Li, V.V. Kravchenko and R.J. Ulevitch (USA)

224

Erratum

229

Cumulative Contents, Vol. 1265

231

Author Index

233

